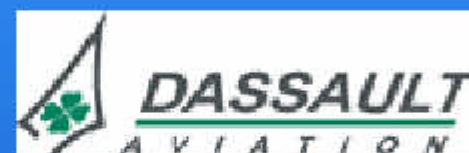


TUAVS IN EUROPE : future orientations

*FROM
TACTICAL
TO*

MULTI MISSION



UAVS

Defence and Security Division

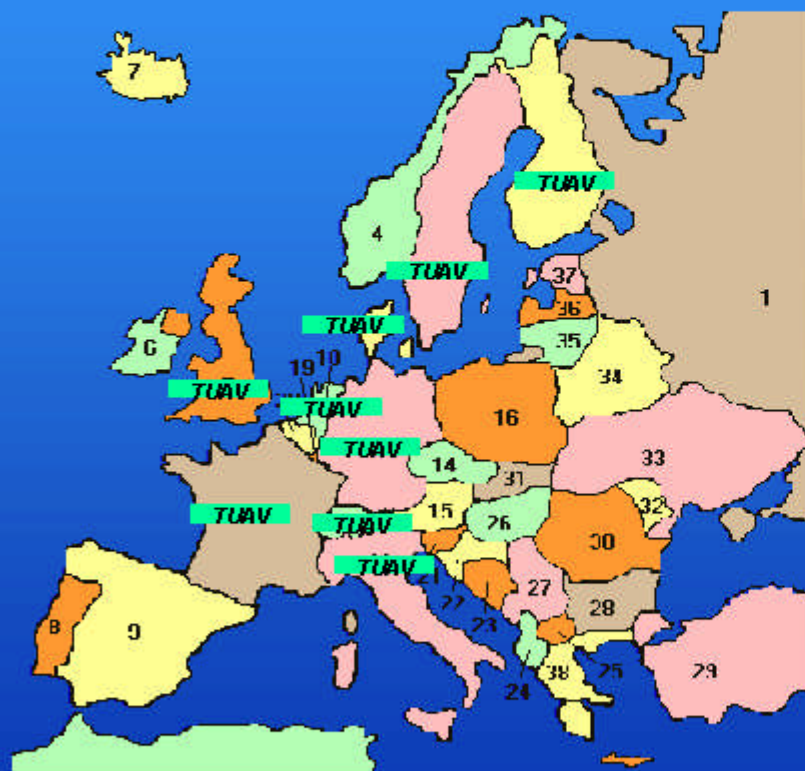


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Situation and Trend

SITUATION

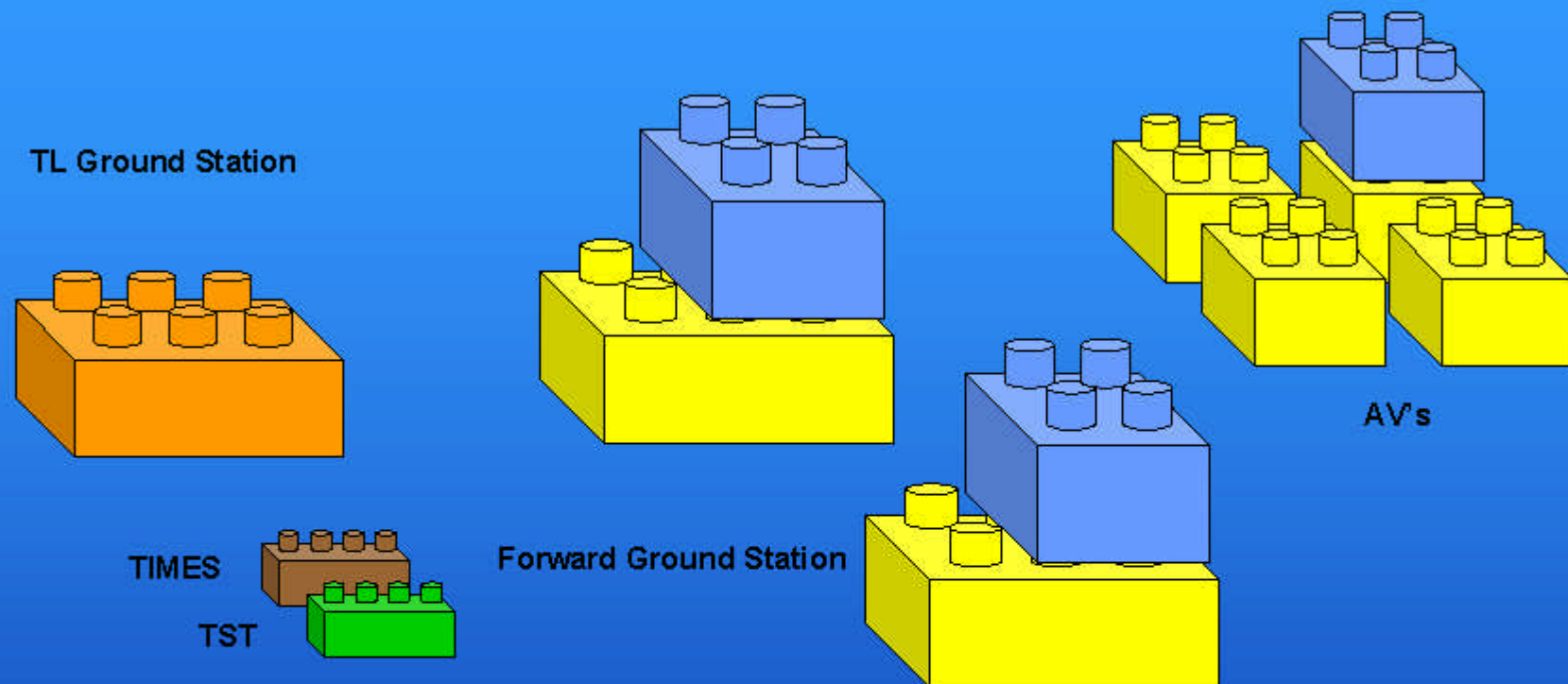
INCREASING NUMBER OF COUNTRIES EQUIPPED WITH TUAVs



TREND :

- ✓ MORE MISSIONS
 - EW, RELAY, SAR
- ✓ MORE FLEXIBILITY
 - MULTI MISSION
 - TIME DIVISION SEQUENCED FLIGHT
- ✓ MORE PERFORMANCE
 - MULTI SENSOR
 - SENSOR TO SHOOTER
 - QUICK REACTION
- ✓ MORE SURVIVABILITY

Multi Sensor Multi Mission: Modular concept ,



Initial approach : a fleet of multirole UAVs

TL unit : MSMM approach : multiply forward stations
(TL = take off-landing)

Specializes GCS Units : multiply new PLD (EW, SAR ...)

[Back to
Index](#)

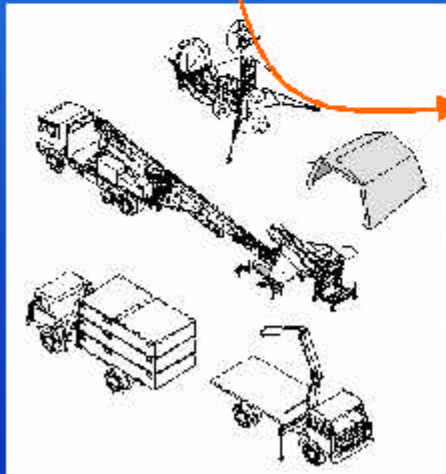
Multi Sensor Multi Mission: Modular concept₂

Operation skill



Aerial Vehicle

AV preparation
System checks
Launching
Recovery
Refurbishment
Field maintenance



SAR-MTI

EO/IR IMINT

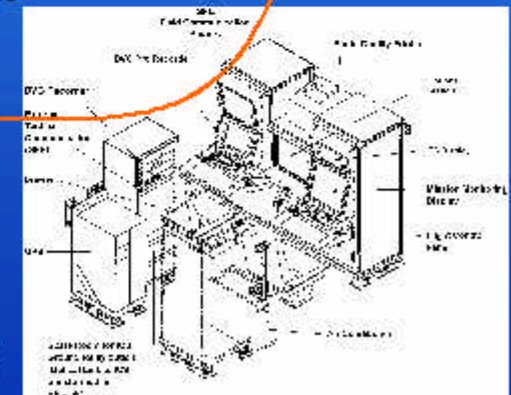


ELINT / COMINT

Payload

Payload management
Image interpretation
Data processing
Information transfer
Target confirmation
Mission (re)planning

Mission skill



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FROM TACTICAL UAV SYSTEM...

MOBILE

- Truck transportable
- Field deployable

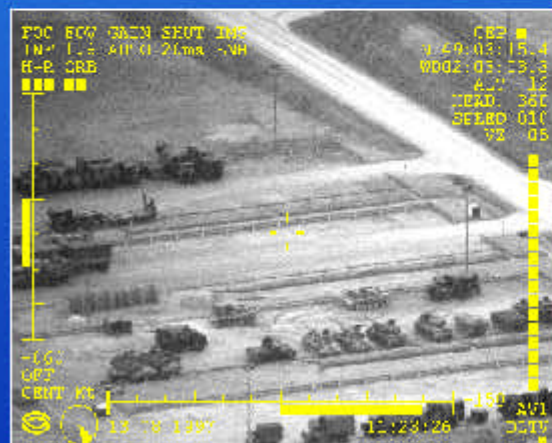
FLEXIBLE

- Multiple payload
- Hand Over
- Simultaneous flight



TACTICAL

- Catapult launch
- Parachute recovery

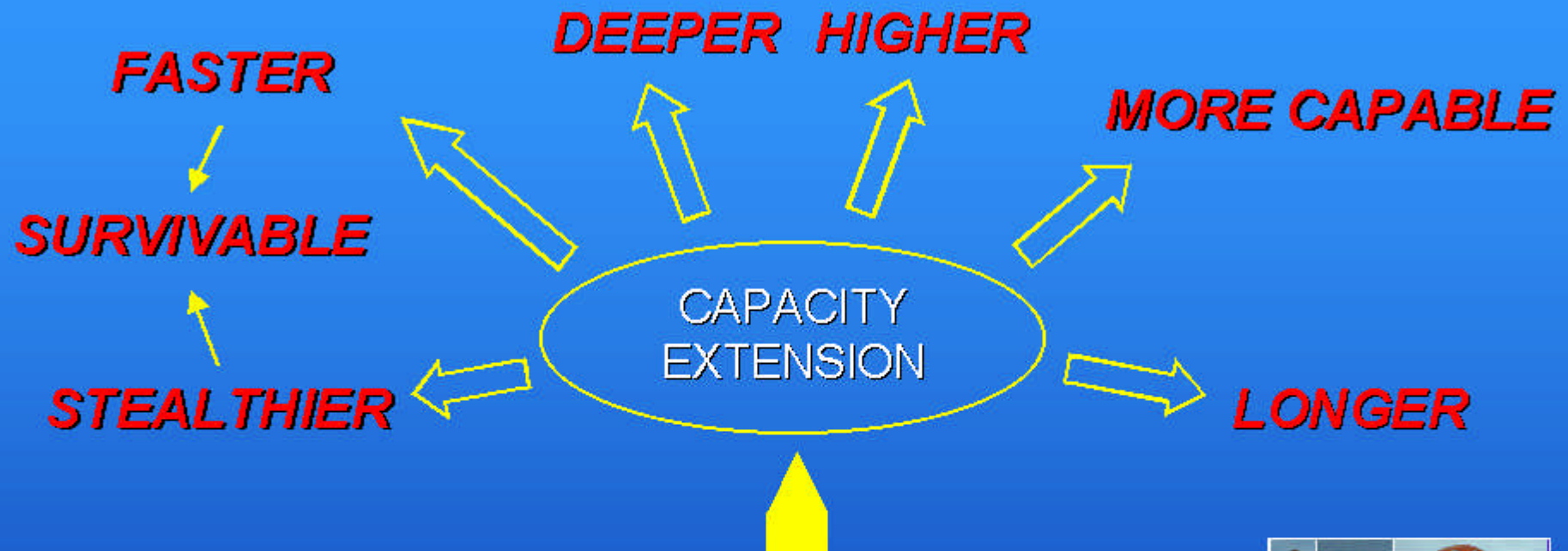


INTEROPERABLE

- C4I integrated (ADat P3)
- Ku-band data link (STANAG 7085)



...TO CAPACITY EXTENSION



A SOUND BASIC CONCEPT



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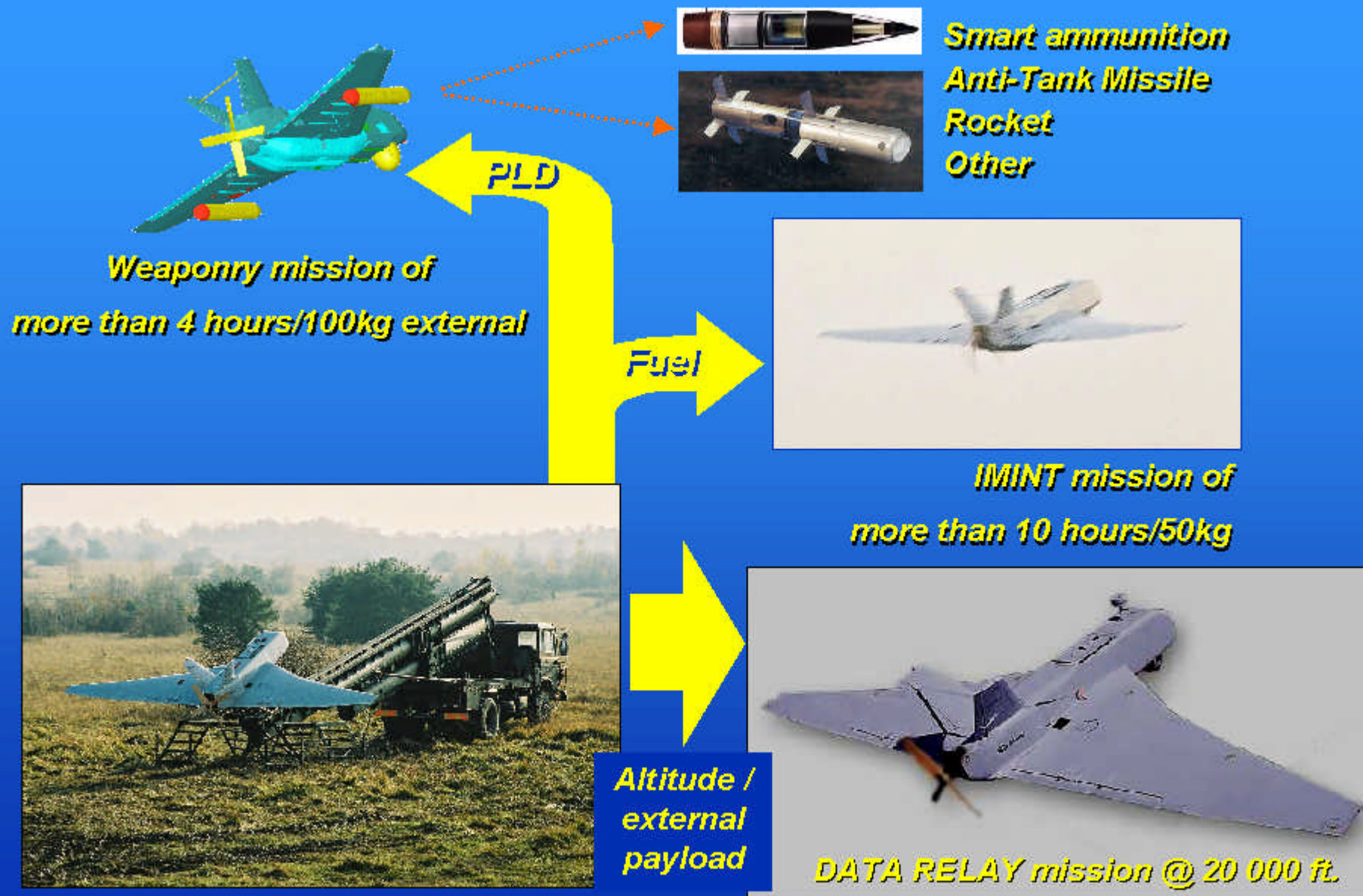
SLOW FAST UAV :

- ✓ survivable like a fast UAV
- ✓ versatile like a slow UAV
- ✓ genuinely tactical

SURVIVABLE PENETRATOR

- 120 kts to Mach 0.6
- 50 kg payload
- 500 to 30 000 ft.

SPERWER LE : extended capacity



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SAGEM TACTICAL UAV : A SUCCESS STORY



From Swedish Lapland Operation ...



2002



1993

... to Saudi Arabia Operation



■ The MOST ORDERED European UAVs

- FRANCE (7 GCS)
- THE NETHERLANDS (4 GCS)
- SWEDEN (3 GCS)
- DENMARK (6 GCS)

■ Full rate production (more than 100 UAVs)

More than 100 UAVs
More than 20 ground segments

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